

**D. PETER HOCHBERG CO., L.P.A.**

ATTORNEYS AT LAW

1940 EAST 6TH STREET  
CLEVELAND, OHIO 44114-2294

INTELLECTUAL PROPERTY LAW

PATENT TRADEMARK  
AND COPYRIGHT LAWTEL.: (216) 771-3800  
FAX: (216) 771-3804

e-mail: dphochberg@aol.com

D. PETER HOCHBERG\*  
SEAN F. MELLINO  
KATHERINE R. VIEYRAWILLIAM H. HOLT\*\*  
JAMES A. RICH  
IAN M. SINGER\*\*\*

OF COUNSEL

\*ALSO ADMITTED IN  
VIRGINIA AND NEW YORK  
\*\*ADMITTED IN VIRGINIA ONLY  
\*\*\*ADMITTED IN NEW YORK ONLY

November 19, 2003

**Via Facsimile Only: 1 (703) 746-9195 - Filing Receipt Corrections****11 pages**Attention: Customer Service Center  
Office of Initial Patent Examination  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-4150Re: Safavi U.S. Patent Appln. 10/643,342  
Filed August 19, 2003  
Our Ref. RM07443US (#90492)

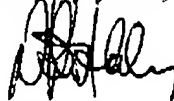
Gentlemen:

The following is a request for a corrected Filing Receipt to include at the portion "Foreign Applications" reference to Canadian patent application Serial No. 2,435,353 filed July 16, 2003. The following documents, copies of which are enclosed, support our request for a corrected Filing Receipt:

- 1) The Filing Receipt mailed 11/14/2003 (w/marked correction)
- 2) The first page of the application as filed.
- 3) The Declaration and Power of Attorney as filed.
- 4) An Associate Power of Attorney to the undersigned as filed.
- 5) A Preliminary Amendment being mailed to the USPTO today which amends the first paragraph of the application to include the Canadian serial number.

Accordingly, issuance of the corrected Filing Receipt for this case is respectfully requested.

Sincerely yours,



D. Peter Hochberg

DPH/KRV/ck  
Enc.



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/643,342	08/19/2003	3611	1122	RM0744US (#90492)	18	36	4

CONFIRMATION NO. 3783

28672

D. PETER HOCHBERG CO. L.P.A.  
1940 EAST 6TH STREET  
CLEVELAND, OH 44114

## FILING RECEIPT

11/19/03 13:33 11/19/03 13:33 11/19/03 13:33 11/19/03 13:33 11/19/03 13:33 11/19/03 13:33  
\*OC000000011270042\*

Date Mailed: 11/14/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Ramin Safavi, Toronto, CANADA;  
Raymond Siu Ming Poon, Mississauga, CANADA;  
Vladimir A. Volochine, Toronto, CANADA;  
Coeman Lam Sang Wong, Toronto, CANADA;

## Assignment For Published Patent Application

Mark IV Industries Ltd.;

## Domestic Priority data as claimed by applicant

This appln claims benefit of 60/437,029 12/31/2002

## Foreign Applications

**CANADIAN 2,435,353 7/16/2003**

If Required, Foreign Filing License Granted: 11/12/2003

Projected Publication Date: 07/01/2004

Non-Publication Request: No

Early Publication Request: No

Title

Dynamic messaging sign

Preliminary Class

040

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

## DYNAMIC MESSAGING SIGN

This application claims priority to U.S. provisional patent application serial number 60/437,029 filed December 31, 2002, which is incorporated herein by reference. This application also claims priority to Canadian Patent Application No. (unknown), filed July 16, 2003.

### BACKGROUND OF THE INVENTION

**[0001]** This invention is directed towards dynamic messaging signs, and in particular to signs that are used to display messages large enough to be viewed from a substantial distance.

**[0002]** The use of large electronically controlled signs to display changing or dynamic messages is expanding, particularly in the highway environment where there is a growing need to provide motorists with current information in an attempt to reduce traffic congestion. Such signs typically include an enclosure having a forward facing display surface that includes an array of pixel display elements that can be selectively activated to collectively generate a visual message that can be viewed by motorists or others from the front of the sign. The enclosure will typically house the electronic components required for operation of the sign, and may include an internal work space that is accessible by a door or hatch. Depending on the climate where the sign is located, the sign may have internal cooling and/ or heating systems. The size and complexity of large dynamic messaging signs make such signs expensive to manufacture, and the location of the signs, for example, mounted over or beside busy highways, can make them difficult to maintain.

**[0003]** In one common sign configuration, the display surface includes one or more large transparent or semi-transparent polycarbonate sheet lenses that are supported by a frame in a front opening of the enclosure. Metal panels, typically painted black on their forward facing sides, are located behind the lenses, and pixel display elements are aligned with holes provided through the metal panels. Such a configuration often requires the use of large polycarbonate sheets, which can be expensive and difficult to transport and install, and which require an intricate framing system to support. Maintenance of signs employing such a configuration can also be expensive and cumbersome.

Application No.:	
Filing Date:	
Group Art Unit:	
Examiner-s Name:	
Attorney Docket No.:	

UNITED STATES PATENT AND TRADEMARK OFFICEDECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DYNAMIC MESSAGING SIGN

the specification of which

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, ' 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, ' 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

<u>NUMBER</u>	<u>COUNTRY</u>	<u>DAY/MONTH/YEAR FILED</u>	<u>PRIORITY CLAIMED</u>
<u>Unknown</u>	<u>Canada</u>	<u>16- July - 2003</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, ' 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, ' 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, ' 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

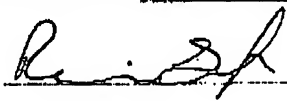
<u>60/437,029</u>	<u>Dec 31, 2002</u>	<u>Status</u>
Appln Serial No.	Filing Date	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned

I hereby appoint W.D. Moss (Registration No. 27,749); P.R. Hammond (Registration No. 27,524); P.E. McArdle (Registration No. 26,138); P.K. Holland (Registration No. 28,174); J.R. Lake (Registration No. 31,081); R.S. Mitchell (Registration No. 31,228); W.B. Vass (Registration No. 36,416); R.H. Joachim (Registration No. 40,353); David J. Heller (Registration No. 43,384) and David J. Greer (Registration No. 43,395); as my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith; and I request that all correspondence be directed (unless otherwise designated in an associate power of attorney) to: Messrs. RIDOUT & MAYBEE LLP, 1 Queen Street East, Suite 2400, Toronto, Ontario, Canada, M5C 3B1; Tel #: 416-868-1482 Fax #: 416-362-0823.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Wherefore I pray that Letters Patent be granted to me for the invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification and claims, declaration, power of attorney, and this petition.

Full name of first joint inventor Ramin Safavi

Inventor's Signature 


Date 16-07-03

Residence 2 Stonedale Placeway, Toronto, Ontario M3B 1W3, Canada

Citizenship Canadian

Post Office Address Same as above

Full name of second joint inventor Raymond Siu Ming Poon

Inventor's Signature 

Date 16 July 03

Residence 3298 Springrun Way, Mississauga, Ontario, L5M 6T3 Canada

Citizenship Canadian

Post Office Address Same as above

Full name of third joint inventor Vladimir A. Volochine

Inventor's Signature 

Date August 08, 2003

Residence 58 Arlington Ave, Toronto, Ontario, M6G 3K8 Canada

Citizenship Canadian

Post Office Address Same as above

Full name of fourth joint inventor Coeman Lam Sang Wong

Inventor's Signature 

Date July 16, 2003

Residence 77 Howard Street, Apt# 1606, Toronto, Ontario, Canada M4X 1J9

Citizenship Canadian

Post Office Address Same as above

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Serial No.:

Applicants:

**Ramin Safavi  
Raymond Siu Ming Poon  
Vladimir A. Volochine  
Coeman Lam Sang Wong**

Filed:

Title:

**DYNAMIC MESSAGING SIGN**

Examiner:

Group Art Unit:

Date:

**August 18, 2003**

**ASSOCIATE POWER OF ATTORNEY**

The Commissioner of Patents & Trademarks  
Washington, D.C. 20231

Dear Sir:

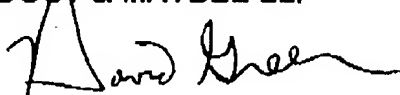
Please recognize, as Associate Attorneys having the power to prosecute the above-identified application and otherwise conduct business with the U.S. Patent & Trademark Office in connection therewith:

D. Peter Hochberg, Reg. No. 24,603  
1940 E. 6<sup>th</sup> Street  
Cleveland, OH  
44114, U.S.A.

Tel: 216-771-3800  
Fax: 216-771-3804

Please address all correspondence to the above.

Respectfully submitted,  
**RIDOUT & MAYBEE LLP**



David J. Greer, Reg. No. 43,395

**RIDOUT & MAYBEE LLP**  
One Queen Street East, Suite 2400  
Toronto, Ontario  
M5C 3B1, Canada



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ramin Safavi et al.  
Serial No.: 10/643,342  
Filed: 08/19/2003 / Conf. No. 3783  
Title: DYNAMIC MESSAGING SIGN  
Examiner:  
Art Unit: 3611  
Attorney File: RM0744US (#90492)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-4150

PRELIMINARY AMENDMENT

Sir:

Preliminary to examination of the referenced application, and in order to generate a corrected Filing Receipt, Applicants submit herein an amendment of the first paragraph of the application which completes data for the priority claim.

**CERTIFICATE OF MAILING UNDER 37 C.F.R 1.8(a)**

I hereby certify that this paper (along with any paper referred to as being attached hereto or transmitted herewith) is being deposited with the United States Postal Service as first class mail in an envelope addressed: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 11 / 19 / 2003

By: Christine A. Kotran

Christine A. Kotran

Applicant/Serial No.: Ramin Safavi et al. / 10/643,342  
Filed/Conf. No. 08/19/2003 / Conf. No. 3783  
Examiner/Group: \_\_\_\_\_ / 3611  
Amendment mailed: 11/19/2003  
Attorney File: RM0744US (#90492)

**AMENDMENTS TO THE SPECIFICATION**

**Cross Reference to Related Applications**

[0000.1] This application claims priority to U.S. provisional patent application serial number 60/437,029 filed December 31, 2002, which is incorporated herein by reference. This application also claims priority to Canadian Patent Application No. (unknown) 2,435,353, filed July 16, 2003.

\* \* \*

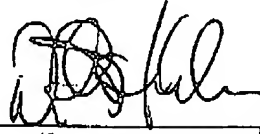
Applicant/Serial No.: Ramin Safavi et al. / 10/643,342  
Filed/Conf. No. 08/19/2003 / Conf. No. 3783  
Examiner/Group: \_\_\_\_\_ / 3611  
Amendment mailed: 11/19/2003  
Attorney File: RM0744US (#90492)

REMARKS

As the serial number for the Canadian patent application has just recently been received, Applicants herein amend the first paragraph of the application to include the heading "Cross Reference to Related Applications" and the serial number for the Canadian priority application. Accordingly, Applicants submit that the application is in condition for examination and the issuance of a corrected Filing Receipt, and such action is earnestly solicited.

Respectfully submitted,

By: \_\_\_\_\_

  
D. Peter Hochberg  
Reg. No. 24,603

DPH/KRV/ck

D. Peter Hochberg Co., L.P.A.  
1940 E. 6th Street - 6<sup>TH</sup> Floor  
Cleveland, Ohio 44114  
Phone: (216) 771-3800 / Fax: (216) 771-3804  
e-mail: [dphdocket1@aol.com](mailto:dphdocket1@aol.com)